

10710 Iron

LLOYD'S REGISTER OF BRITISH AND FOREIGN SHIPPING.

ENGINEER'S CERTIFICATE.

The following is a true Account of the Particulars of the Machinery and Boilers:—

ENGINES.—Here state description of Engines, whether Direct Acting or Geared; Inverted, Horizontal, Diagonal, or Oscillating Cylinders; No. of Cylinders, &c.

Two Cylinders Inverted Direct-Acting

ENGINES, maker of J. Thompson & Co
age of 10 years
last time taken out
present condition good
Diameter of Cylinder 4 1/2 inches
Length of stroke 30 inches
No. per minute of Engines 50 to 60
of Screw same
Estimated power 100 HP
Effective power about 380 HP
Diameter of Screw (or Paddle Wheels) 11 feet
Pitch of Screw 16
No. of Blades (or Floats) Three
Description of Screw (or Floats) Ordinary
Holding down Bolts, size 1 3/4 inches
present condition good

Bilge Pumps, No. (2) and size 4 inches
Feed ,, No. (2) and size 4 inches
Spare gear, if usual quantity on board Vessel
Fuel, where stowed at side of E & B & athwart ship bunkers
space between Coal Bunkers } 6 ft in front 6 inches at sides and Boilers
for what quantity is space provided 250 tons
Donkey Engine and Boiler Upright Cylindrical
if fitted in Engine Room or on Deck
can pump be worked by hand Yes
size of pump (6") and stroke 14"
is hose of sufficient length to reach every part of the Vessel Yes
No. () and continuation of hand pumps, if fitted in Engine Room

BOILER.—Here state description of Boiler, and No.; if Tubular, or Flues; No. of Furnaces; if fitted with superheating apparatus; if Fired athwartships, or from fore, or after end of Boiler, &c.

One Boiler multitubular. 4 furnaces fired fore and aft from forward end with uptake passing through Steam chest

BOILER, maker of J. Thompson & Co
age of 10 years
when last taken out
present condition Just repaired
working pressure 15 lbs
No. of surface Blow off Cocks to each Boiler One Surface - One Blow off

Can each Boiler be used separately
What clear space between top of Boiler and woodwork 3 feet
What clear space between Funnel and woodwork out near Woodwork
Are Engine and Boiler Keelsons well connected fore and aft Continuous

CREW SHAFT length 60 ft diameter 8" Tunnel, thickness of plating 5/16" height 4 feet
width 3 feet if water-tight door on Engine Bulkhead. no communication from Engine room & tunnel

Port Dublin 7th day of October 1872

We hereby certify, that the whole of the above Machinery and Boilers of the Iron (or Wood) Screw (or Paddle) Steam Vessel "Conceira" belonging to Calgraves & Co whereof Beaton is Master, 504 Tons Register, and 100 H.P. have been carefully inspected and examined by us at Dublin and we found the same, at this date, in good order and safe working condition.

Signature of Engineer

Port of Dublin Shipyard

Marine Engineers.